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CC Recd: 05/18/2006

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY  
3100 Port of Benton Blvd • Richland, WA 99352 • (509) 372-7950

May 16, 2006

Mr. Roy J. Schepens, Manager  
Office of River Protection  
United States Department of Energy  
P.O. Box 450, MSIN: H6-60  
Richland, Washington 99352

Mr. Jim Henschel, Project Manager  
Bechtel National, Inc.  
2435 Stevens Center Place, MSIN: H4-02  
Richland, Washington 99354

Re: Class <sup>1</sup>1 Modification to the Hanford Facility Resource Conservation and Recovery Act (RCRA) Permit, Dangerous Waste Portion for the Treatment, Storage, and Disposal of Dangerous Waste, Part III, Chapter 10 (Waste Treatment and Immobilization Plant) WA7890008967; Hanford Facility RCRA Permit Modification Notification Form 24590-PTF-PCN-ENV-05-025

Dear Mr. Schepens and Mr. Henschel:

The Department of Ecology approves the referenced Class <sup>1</sup>1 Modification submitted by the United States Department of Energy – Office of River Protection. The approved Hanford Facility RCRA Permit Modification Notification Form is enclosed.

Modification 24590-PTF-PCN-ENV-05-025 provides the updated (Revision 2) Pretreatment Facility (PTF) Plant Item Material Selection Data Sheet for the PTF Ultimate Overflow Vessel, PWD-VSL-00033 (24590-PTF-N1D-PWD-P0005).

If there are any questions, contact me at 509-372-7882 or Robbie Biyani at 509-372-7884.

Sincerely,

Brenda Becker-Khaleel  
WTP Lead Permit Writer  
Nuclear Waste Program

AH:jc

Enclosure

cc: See next page



Mr. Schepens and Mr. Henschel  
May 16, 2006  
Page 2

cc/elect w/enc:

Robert Barr, USDOE  
John Eschenberg, USDOE  
Joel Hebdon, USDOE  
Lori Huffman, USDOE  
Tony McKarns, USDOE  
Gae Neath, USDOE  
Woody Russell, USDOE  
Don Sommer, USDOE  
Julie Atwood, BNI  
Bill Elkins, BNI  
Brad Erlandson, BNI  
Stan Hill, BNI  
Dennis Klein, BNI  
Ermelinda Saucedo, BNI  
Phil Peistrup, WGI

cc w/enc:

Administrative Record; Tank Waste Treatment Requirements  
Environmental Portal✓  
USDOE-ORP Correspondence Control

<b>Hanford Facility RCRA Permit Modification Notification Form</b>																								
Unit: <b>Waste Treatment and Immobilization Plant</b>		Permit Part & Chapter: <b>Part III, Chapter 10 and Attachment 51</b>																						
<u>Description of Modification:</u>  The purpose of this modification is to update PTF Plant Item Material Selection Data Sheet (MSDS) for the Pretreatment Facility Ultimate Overflow Vessel (PWD-VSL-00033) currently located in Appendix 8.9 of the Dangerous Waste Permit (DWP).  The following are the major changes to the above mentioned MSDS: <ul style="list-style-type: none"> <li>Design Temperature increased from 185 °F to 225 °F</li> <li>Location modified from in-cell to out-cell</li> <li>PJM Discharge Velocity increased from 32 fps to 40 fps</li> <li>Drive cycle reduced from 25% to 17% at 40 fps</li> <li>Added specific allowance for corrosion and erosion</li> <li>Added process limitation, "Develop a recovery procedure for non-routine vessel overflows."</li> <li>Added DOE Atomic Energy Act Disclaimer</li> <li>Corrosion Considerations were updated, including, sources of material entering vessel, references, and a revised discussion of erosion in section j of the MSDS.</li> <li>Added discussion of routine and non-routine operations</li> </ul>																								
These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment.																								
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="5" style="padding: 2px;">Appendix 8.9</td> </tr> <tr> <td style="width: 15%; padding: 2px;">Replace:</td> <td style="width: 35%; padding: 2px;">24590-PTF-N1D-PWD-P0005, Rev. 1</td> <td style="width: 15%; padding: 2px;">With:</td> <td colspan="2" style="width: 35%; padding: 2px;">24590-PTF-N1D-PWD-P0005, Rev. 2</td> </tr> <tr> <td style="padding: 2px;">WAC 173-303-830 Modification Class: <sup>1 2</sup></td> <td style="padding: 2px; text-align: center;">Class 1</td> <td style="padding: 2px; text-align: center;">Class <sup>1</sup>1</td> <td style="padding: 2px; text-align: center;">Class 2</td> <td style="padding: 2px; text-align: center;">Class 3</td> </tr> <tr> <td style="padding: 2px;">Please mark the Modification Class:</td> <td style="padding: 2px;"></td> <td style="padding: 2px; text-align: center;">X</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table>					Appendix 8.9					Replace:	24590-PTF-N1D-PWD-P0005, Rev. 1	With:	24590-PTF-N1D-PWD-P0005, Rev. 2		WAC 173-303-830 Modification Class: <sup>1 2</sup>	Class 1	Class <sup>1</sup> 1	Class 2	Class 3	Please mark the Modification Class:		X		
Appendix 8.9																								
Replace:	24590-PTF-N1D-PWD-P0005, Rev. 1	With:	24590-PTF-N1D-PWD-P0005, Rev. 2																					
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Please mark the Modification Class:		X																						
Enter Relevant WAC 173-303-830, Appendix I Modification citation number: NA Enter wording of WAC 173-303-830, Appendix I Modification citation: NA In accordance with WAC 173-303-830(4)(d)(i), this modification notification is requested to be reviewed and approved as a Class <sup>1</sup> 1 modification. WAC 173-303-830(d)(ii) states, "Class 1 modifications apply to minor changes that keep the permit current with routine changes to facility or its operation. These changes do not substantially alter the permit conditions or reduce the capacity of the facility to protect human health or the environment. In the case of Class 1 modifications, the director may require prior approval."																								
Modification Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No (state reason for denial) <u>Reason for denial:</u> <div style="height: 40px; border: 1px solid black; margin-top: 5px;"></div>			Reviewed by Ecology:  <div style="text-align: center;">               S. Dahl           </div> <div style="text-align: right; margin-top: 10px;">             5/16/06              Date           </div>																					

<sup>1</sup> Class 1 modifications requiring prior Agency approval.

<sup>2</sup> This is only an advanced notification of an intended Class <sup>1</sup>1, 2, or 3 modification, this should be followed with a formal modification request, and consequently implement the required Public Involvement processes when required.